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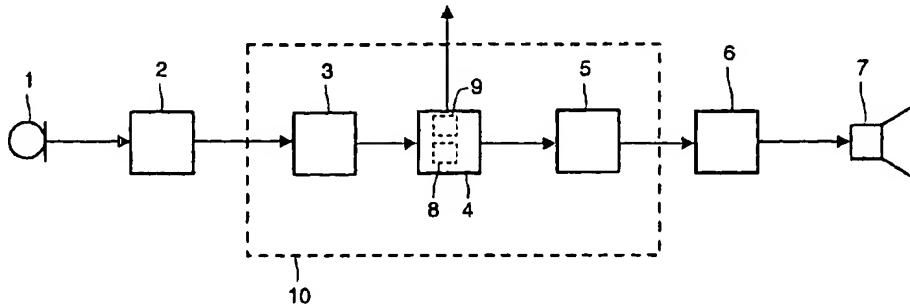
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(54) Title: METHOD AND SYSTEM FOR SPEECH RECOGNITION OF SYMBOL SEQUENCES



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(57) **Abstract:** Descriptions are given of methods of speech recognition of symbol sequences, more particularly sequences of digits. A first symbol sequence uttered by the user and recognized by the system is initially output by means of a speech output device (5, 6, 7) for verification by a user. If the first symbol sequence is recognized erroneously, a second symbol sequence uttered by the user is recognized and compared with the first symbol sequence. A sub-symbol sequence of the first symbol sequence is then determined which partly corresponds to the second symbol sequence and then has the lowest number and/or predefined number of deviations from the second symbol sequence. Finally, the first symbol sequence is corrected with the aid of the second symbol sequence in the range of the sub-symbol sequence. In one of the methods the determining of the correcting sub-symbol sequence comprises a comparison of the second symbol sequence with such sub-symbol sequences of the first symbol sequence that are longer or shorter than the second symbol sequence. In another method various alternatives of corrected versions of the first symbol sequence are determined and output to the user for verification purposes until a positive acknowledgement of an alternative or an abort command is received or until a limit value defined as an abort criterion is reached. In addition, respective systems for speech recognition of symbol sequences are described.